

Buffet proves infinitely pleasing to thousands

■ By Alice C. Waugh
News Office

Saturday's Infinite Buffet was a real crowd-pleaser for the hordes of MIT community members (almost 6,000 by one estimate) who packed the Infinite Corridor to socialize and fill their plates with tons of food—literally.

All told, MIT Catering cooked and served up 5,400 pieces of fried chicken, 6,720 chicken wings, 1,200 pounds of beef in 16 steamship roasts (the hind leg of a cow), 170 gallons of soup, 2,135 pounds of side salads and 7,000 brownies, cookies and pastries. The international menu included southern fried chicken with honey thyme biscuits, curried couscous salad, calypso

bean salad, quiche fromage, New England clam chowder, fruit and a variety of beverages.

Organizers had planned for thousands of hungry attendees, but the turnout exceeded everyone's expectations. "We were thrilled. Words cannot describe how surprised and pleased we were with the turnout," said Emily Sandberg, assistant dean and director of the Public Service Center. "It was a raging success. Tons of students went up to President Vest and said, 'Thank you, thank you!'"

Along with the tables of food stretching for several hundred feet were entertainers in the lobbies—a jazz quartet, a steel drum band, palm readers, carica-

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An arc of balloons frames some of the thousands of buffet-goers in Lobby 7 on Saturday.

Photo by Donna Coveney

Faculty hears proposals on alcohol, freshman housing

■ By Robert J. Sales
News Office

Suggested reforms in alcohol policy and freshman orientation activities were outlined at last week's faculty meeting by the chairs of groups charged with studying those issues.

The faculty also adopted a "sense of the faculty" substitute motion on freshman housing after making two amendments. About 60 faculty members attended the meeting on Wednesday in Rm 10-250.

Associate Provost Phillip Clay, chair of the Ad Hoc Committee to Review Alcohol Policy, discussed a number of principles and proposed

interim policies regarding the use of alcohol at MIT. They centered on a commitment to encouraging responsible use of alcohol in compliance with the law, helping members of the community understand the dangers of alcohol abuse, and setting standards of social as well as individual responsibility in the use of alcohol.

The proposed interim policies included a continued ban on spending Institute funds for alcohol at all MIT events attended by people under 21, except in cases where the sponsor has prior approval from the appropriate senior officer (i.e., member of the Academic Council), based on

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Media Lab gets serious with toys

Researchers at the Media Laboratory have created a new generation of toys that enable children to explore and understand concepts that were previously reserved for the university classroom.

By embedding computer chips in construction toys, Professors Nicholas Negroponte, Seymour Papert and Mitchel Resnick have added computational capabilities to traditional playthings such as beads and LEGO bricks. The goal is to empower children as designers and inventors, enabling them to learn about the world through their

own explorations and experiments. In pilot studies, children have used the new technologies to create their own robotic creatures and even their own scientific instruments.

"These new tools greatly expand the range of things kids can build—and the range of things they learn while doing so," said Professor Resnick, the Fukutake Associate Professor of Research in Education. "Young children have always learned about the world through direct manipulation and exploration. With our new tools, kids as they grow can continue to learn—and learn more complex ideas—with this same approach."

The tools developed at MIT are now featured at Chicago's Museum of Science and Industry, which opened a learning center called "MSI Presents LEGO Mindstorms" earlier this month. At the learning center, children can create robotic LEGO athletes and program them to compete on a 9-by-6-foot playing field. They can also maneuver a robotic rover via small cameras and computers on a model "Mars terrain," using software similar to that used for

the actual Pathfinder mission. By programming their creations to have behaviors, children learn advanced concepts of feedback and control.

The MIT approach differs from traditional uses of computers in education, where the emphasis is on desktop machines that "deliver" information to children. "Traditional approaches aim for incremental change. Our goal is fundamental change in the ways people think about learning and education," said Professor Papert, LEGO Professor Emeritus for Learning Research at MIT. "If you provide children with the right tools and materials to play with, they can learn ideas that were reserved for the university classroom in the paper-and-pencil era."

The MIT researchers argue that new

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Asian Americans discuss stereotypes

■ By Sarah H. Wright
News Office

"Asian and Asian-American Experiences: A Forum on the Racial Climate at MIT," the second program in MIT's Race 2000 series, opened on a dramatic political note, with individuals standing to read aloud US laws that have discriminated against people of Asian descent.

The November 20 program closed on an equally dramatic yet highly personal note as students and faculty shared their experiences in confronting issues of identity, class and interracial relationships.

Panel members were moderator J. Emma Teng, instructor in history and foreign languages and literatures; James E. Chung, associate professor of electrical engineering and co-

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Friends and family bid farewell to Micheletti at MIT service



Assistant for Community Relations Paul Parravano (left) and his mother Ernestina Parravano (center, foreground) comfort Michelle Micheletti's parents, Elmer (right) and Shirley (background) at Sunday's memorial service.

■ By Denise Brehm
News Office

Family and friends of Michele Micheletti from California joined her MIT friends Sunday afternoon for a memorial service of songs, poems and fond remembrances of the sophomore who was killed October 31 while crossing Memorial Drive.

Charles Morton (SB '97), Ms. Micheletti's friend from New House 3, and Jocelyne Takatsuno of Mt. Holyoke College, who knew her from high school, welcomed those who came for "Remembering Michele."

They were joined in giving tribute by President Charles M. Vest; Professor John Essigmann, housemaster of New House; Paul Parravano, her freshman advisor; Professor Markus Zahn, her Course 6 advisor; Deans Margaret Bates and Robert Randolph; and more than a dozen others who shared their memories of Ms. Micheletti with an overflowing crowd in Wong Auditorium.

"I have rarely known of anyone, of any age, who had such a profound, personal effect on so many people. It seems that her heart embraced the world... her legacy of love and caring will find enduring expression in the lives of all her friends,

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IN BRIEF

CRAFT FAIR

The annual craft fair sponsored by the MIT Women's League will take place Thursday and Friday, Dec. 4 and 5, from 9am-5pm in Lobby 10. Artisans will offer items including jewelry, floral arrangements, TY Beanie Babies and accessories, placemats and table runners, hand-knitted and quilted items, tapestry and leather bags, cookbooks and aprons.

QCC HOLIDAY EVENT

The MIT Quarter Century Club's annual holiday gathering will be held on Wednesday, Dec. 10 from 5-7pm in the Stratton Student Center's Sala de Puerto Rico. Finger sandwiches, carved turkey, desserts and beverages will be served. Parking will be available in West Garage on Vassar Street.

Invitations have been sent to all QCC members. Replies for those attending are due by Wednesday, Dec. 3 in the QCC office in Rm 20A-023. Members should call x3-7914 if they have questions or if they did not receive an invitation.

Student Notices

* -Open to public
 ** -Open to MIT community only
 *** -Open to members only

November 26-December 14

ANNOUNCEMENTS

Career Services and Preprofessional Advising Recruitment Presentations—Dec. 1:** Block Trading, 6-8pm, Rm 4-370. Central Intelligence Agency, 5-7pm, Rm 3-370. Failure Analysis Associates, 6:30-8:30pm, Rm 4-145. McKinsey and Co., 5:30-7:30pm, Rm 4-149. Seagate Technology, 7-9pm, Rm 8-105. Silicon Valley, 5:30-7:30pm, Rm 4-163. **Dec. 2:** Credit Suisse First Boston, 7-9pm, Rm 4-149. I-Cube, 6-8pm, Rm 4-145. Rand Corp., 5-7pm, Rm 4-270. **Dec. 3:** Hercules, Inc., 5:30-7:30pm, Rm 8-302. Katahdin Consulting, 7-9pm, Rm 4-159. National Security Agency, 6-8pm, Rm 8-205. Thomson Financial Services, 7-9pm, Rm 4-149. Visient, 7-9pm, Rm 4-153. Wolf, Greenfield and Sacks, PC, 6-8pm, Rm 4-145. **Dec. 4:** Cooper and Lybrand, 6-8pm, Rm 8-119. James Martin Co., 6-8pm, Rm 4-145.

Attention International Scholars: If you plan to travel outside of the United States for the holidays, please stop at the International Scholars Office, Rm 4-105, at least 10 days before you leave. Please bring your passport and visa document (IAP-66 Form, I-797, I-20) with you when you come in to see us. Have a safe and pleasant trip.

Technique 1998 Submission Deadline—Dec. 20.** MIT's year book is currently accepting poetry and anecdotal short story submissions from students and faculty. All entries should be typed, single-spaced for poetry and double-spaced for stories. Include your name, class year or position at MIT and e-mail/contact information. E-mail to <jackall@mit.edu> or drop off hard copies to Technique office (Student Ctr Rm 451). Do not send original copies. Johnny Lee, journal editor, <grogospeak@mit.edu>.

RELIGIOUS ACTIVITIES

The Chapel is open for private meditation 7am-11pm daily.

Baptist Campus Ministry—Weekly events:** Sunday Nights at the RAC, 6pm, Main Dining Rm, Bldg W11. Home-cooked meal at 6pm (cost: by donation), followed by Bible Study. Tuesday Vespers, 6-6:30pm, chapel. A quiet time for reflection. More info: x3-2328.

Baptist Student Fellowship*—Weekly meetings on Tuesdays, include dinner followed by Bible Study. 5:30-7pm, Bldg W11, small dining room. Sponsored by Baptist Campus Ministry. More info: x3-2328.

Campus Crusade for Christ—Weekly meeting** on Wednesdays, 8pm, PDR 1 & 2, 3rd fl Student Center. Morning prayer, Tuesday and Thursday, 8:30am, Rm W11-080 (CFL). More info: x2-1781 or <bigbob@mit.edu>.

Tech Catholic Community—Weekday Mass** Tues & Thurs 5:05pm, Friday 12:05pm, Saturday 5pm, Sunday 9:30am & 5pm. Call x3-2981.

Graduate Christian Fellowship—Weekly meetings** in Student Ctr, PDR 1&2, Fridays at 5:30pm. Also weekly Bible studies and Responsible Technology discussion group. Andrew Crabtree 868-0488 or <crabtree@mit.edu>.

Christian Science Organization—Thursdays** at 7pm. Call x3-8797 or <lnorford@eagle.mit.edu> for further information.

Communitas-Life Together—Protestant** Worship Sunday at 11am. Sponsored by: American Baptist Church, United Church of Christ, United Methodist Church, Presbyterian Church (USA). Chaplain John Wuestneck, x2-1780 or <chaplain@mit.edu>.

MIT Hillel—Tuesdays:** 12:15pm Hebrew Conversation Table in Walker Cafeteria; 5:30pm Beginning Hebrew Class; 6:30pm Intermediate Hebrew Class. **Wednesdays:** 7pm Haftorah Class. **Thursdays:** 12noon Taste of Torah. **Fridays:** 6pm Egalitarian Chavurah Services and Orthodox Minyan Services; 7pm Shabbat dinner. **Saturdays:** 9am Orthodox Minyan Services; 12:45pm Shabbat lunch. More info x3-2982.

Lutheran-Episcopal Ministry at MIT*—Regular Wednesday worship, 5:10pm, followed by supper in the Bldg W11 dining room. Bible Studies, Tuesdays 5:30-6:30pm, Bldg W11. More info: x3-0108.

Meditation and Discourse on the Bhagavad Gita*—With Swami Sarvagatananda, MIT Chaplain and Head, Ramakrishna Vedanta Society of Boston. Every Friday, 5:15-6:30pm, MIT Chapel. Sponsored by the MIT Vedanta Society. More info: 661-2011 or <mehta@cytel.com>.

MIT Muslim Students Association*—Five daily prayers, Bldg W11; also Friday con-

gregation 1:10-1:45pm, Rm W11-110. Info: x8-9285.

MIT Orthodox Christian Fellowship—Wednesdays** at 5:30pm in Student Ctr DR 1 for dinner followed by Chapel Vespers. John Kymissis x5-7649 or Costa Sapuntzakis x5-7683.

Special Events

MIT Hillel—Dec. 4:** 5:30pm, Grad Student Pre-Chaukah Party. **Dec. 7:** Annual Student Election Mtg.

VOLUNTEERS

The MIT Public Service Center (Room W20-311, x3-0742) has compiled the following volunteer opportunities.

The following organizations need volunteers to help prepare and serve Thanksgiving meals on the days and times indicated. For more information, contact the name and phone number listed.

Allston-Brighton Meals Program
 404 Washington Street, Boston, MA
 Lois Sullivan (617) 254-4046
 Nov. 26 at 3pm

CASPAR, Inc.
 48 Grove Street, Somerville, MA
 Yvonne Shea (617) 628-3850
 Nov. 27

Center House, Inc.
 31 Bowker Street, Boston, MA
 Julia Steckel (617) 723-6300 ext. 309
 Nov. 26, 8:30am-7pm
 Nov. 27, 10am-5pm

Freedom House
 14 Crawford Street, Roxbury, MA
 Gail Snowden (617) 445-3700
 Nov. 26 & Nov. 27

Morville House
 100 Norway Street, Boston, MA
 Linda Brown (617) 437-7574
 Nov. 27

CABLE

For more information about cable at MIT, contact Randy Winchester at x3-7431, Rm 9-050, <randy@mit.edu>. World Wide Web: <<http://web.mit.edu/mitcable/www/schedule.html>>.

MIT Cable Television's free basic cable channel lineup is changing. For more information, see <<http://web.mit.edu/mitcable/www/newchannels.html>>.

Continuously Running Programs—Channel 10: Physics 8.01 Review Sessions by Prof. Walter Lewin. **Channel 11:** NASA Television 24 hrs/day. **Channel 12:** Today at MIT - a listing of MIT events. To submit your event listings for this channel, send email to <tv-messages@mit.edu>. **Channel 13:** International Channel: see <<http://www.i-channel.com>> for more information.

Nov. 21: Channel 9: 5:30pm-2am—Laboratory for Computer Science Distinguished Lecturer Series (prerecorded). **Channel 10:** 4pm—Physics 8.01 Review Assignment #12 with Prof. Walter Lewin. Program repeats every hour on the hour until 4pm, 12/5.

Nov. 24: Channel 8: 4-5:30pm—Live coverage of the MIT EECS Colloquium. **Channel 9:** 5:30pm-2am—MIT EECS Colloquium (prerecorded).

Dec. 1: Channel 8: 4-5:30pm—Live coverage of the MIT EECS Colloquium. **Channel 9:** 5:30pm-2am—MIT EECS Colloquium (prerecorded).

Dec. 2: Channel 8: 4-5:30pm—Live coverage of the MIT MTL VLSI Seminar. **Channel 9:** 5:30pm-2am—MIT MTL VLSI Seminar (prerecorded).

Dec. 3: Channel 8: 11am-12noon—Live coverage of the MIT EECS/RLE Optics and Quantum Electronics Seminar. 4:30-5:30pm—Live coverage of the GOD AND COMPUTERS Minds, Machines, and Metaphysics Lecture Series. **Channel 9:** 5:30pm-2am—MIT EECS/RLE Optics and Quantum Electronics Seminar (prerecorded).

Dec. 4: Channel 8: 9-11pm—"Empire of the Air: The Men Who Made Radio" A documentary by Ken Burns. **Channel 9:** 5:30pm-2am—GOD AND COMPUTERS Minds, Machines, and Metaphysics Lecture Series. (prerecorded).

Dec. 5: Channel 10: 4pm—Physics 8.01 Review Assignment #12 with Prof. Walter Lewin. This program will repeat every hour on the hour until 4pm, 12/12.

Dec. 8: Channel 8: 4-5:30pm—Live coverage of the MIT EECS Colloquium. **Channel 9:** 5:30pm-2am—MIT EECS Colloquium (prerecorded).

Dec. 10: Channel 8: 4:30-5:30pm—Live coverage of the GOD AND COMPUTERS Minds, Machines, and Metaphysics Lecture Series. **Channel 9:** 5:30pm-2am—GOD AND COMPUTERS Minds, Machines, and Metaphysics Lecture Series. (prerecorded).

Workshop blends inventing, business

■ By Shannon Peavey
 Lemelson-MIT Awards Program

Nearly 300 students clad in everything from suits for the office to T-shirts for the lab attended last week's The Business of Inventing workshop, an event designed to bridge the gap between inventors and business people.

The six panelists at the event, sponsored by the Lemelson-MIT Awards Program, shared their experiences and expertise in topics including product development, patent law, building and selling companies, and raising capital.

"A company is the vehicle for bringing ideas to fruition. Business is important," said Anthony Jules (SB '92, SM), co-founder of Sapient Corp. "It's one way you can have a real impact on the world."

"Marketing is a big, big part of your success," said Robert Rines (SB '42), a patent attorney and lecturer in patents and entrepreneurship. "We need teams with interdisciplinary experience to make the entrepreneurial system work."

"Capital is the gas that makes your company go. You must determine what your needs are," said Marcia Hooper, partner in Advent International, the

world's largest venture capital firm.

Other panelists included David Levy (PhD '97), winner of the \$30,000 Lemelson-MIT Student Prize in 1996 and founder of TH, Inc.; Krisztina Holly, 1991 winner of the \$10K (now \$50K) entrepreneurial competition as co-founder of Stylus Innovations; and Jack Turner, assistant director of the Technology Licensing Office. Professor Lester Thurow made opening remarks and Professor Ed Roberts moderated.

Kenneth Morse, managing director of the MIT Entrepreneurship Center and senior lecturer at the Sloan School, brought several students from his Entrepreneurship Lab class (15.399) to the event.

"The advantage to coming to things like this is having exposure to different sides that you don't get over in engineering," said Brian Warshawsky, a graduate student in materials science engineering. "For example, once you have the technology, where do you go from there?"

"It was interesting watching the dawning awareness among engineering students that the idea, the invention, is only the first step in a very long

journey. They tend to think the technology, the product is the end of the road. It's really the beginning," said Robert Poor, a Media Laboratory graduate student who was once a recording engineer for the Grateful Dead.

"This was a great balance of all aspects of the process from inventing to protecting your ideas, managing a company and exiting," said Scott Shane, the Leghorn Career Development Assistant Professor of Management. "Technology students often forget it's not all just networking."

Annamarie Amparo, director of the Lemelson-MIT Awards Program, plans to make the workshop an annual event. "We hope the workshops will provide practical advice and networking opportunities to students across the Institute so various disciplines will interact and work together," she said.

OTHER FIELDS ENCOURAGED

Ms. Amparo also sees the workshops as a way to encourage more diversity in applications for the Lemelson-MIT Student Prize. Previous winners have included Mr. Levy; Thomas Massie, founder of SensAble Technologies; and Nathan Kane, who holds several successful patents of his own for a variety of inventions from children's toys to classically engineered hardware.

"We've been delighted to have awarded the prize to three exceptional students from the mechanical engineering department," Ms. Amparo said. "This year we are making an effort to reach out to a broad spectrum of students in various departments. We want to encourage non-ME students to consider themselves inventors as well."

The Lemelson-MIT Awards Program awards \$30,000 annually to an MIT student for outstanding innovation and inventiveness. The application deadline for the Lemelson-MIT Student Prize is December 19. For more information, send e-mail to <invent@mit.edu> or go to <<http://web.mit.edu/invent/www/ProgInfo.html>>.

Panel reiterates IAP credit limit

The Committee on Academic Performance (CAP) reminds students that there is a 12-credit limit per year for subjects taken during the Independent Activities Period (IAP).

CAP became concerned last year with the increase in petitions from students to extend the credit limit, which is set by the IAP Policy Committee. CAP members found that instances of exceeding this limit were related to a few specific subjects. For example, 8.01L and 18.02A, which begin in fall and run into IAP, have credit units automatically "allotted" to IAP by the Registrar's Office (see guidelines below).

Students were often unaware of the allotment when signing up for one or two additional subjects over IAP, which quickly put them over the limit. This year, CAP is working to make students aware of the potential for falling into an overload situation, through one or the other of the above conditions (or still others).

CAP will be disinclined to approve

future petitions to exceed the 12-unit IAP credit limit. Students should observe the following guidelines:

● If a student has registered in the fall term for 8.01L or 18.02A and plans to complete the subject during IAP, then that student cannot register for or receive credit for more than six additional units in IAP. The same rule applies for students who have failed 18.01 in the fall term and plan to take make-up exams during IAP.

● During IAP, a student can complete only two of the three subjects (8.01L, 18.02A and 18.01), but not all three. Planned completion of two of these subjects requires that the student cannot register for or receive credit for any additional units during IAP.

● If a student plans to take one of the three modules of 10.491 during IAP, then he or she cannot register for or receive credit for more than eight additional units during IAP.

● UROP activity for credit also factors into the 12-unit credit limit.

Building arts prize offered

Applications for the annual Marvin A.E. Goody Prize, a \$5,000 award for a master's thesis that advances the building arts, are now available.

Joan E. Goody of Goody, Clancy & Associates in Boston established the prize in 1983 as a memorial to her husband, Marvin E. Goody, an MIT alumnus and faculty member. The award aims to extend building techniques and use of materials, to encourage links between the academic world and the building industry, and to increase appreciation of the bond between good design and good building—criteria intended to

reflect the range of Professor Goody's interests as a teacher, researcher and designer.

The competition is held every January (for theses completed four months later) and May (for theses completed the following January). It is administered by a committee including faculty members from the Departments of Architecture and Civil and Environmental Engineering.

Forms and further information are available in the Department of Architecture headquarters in Rm 7-337. The deadline for applications is 5pm on Monday, Jan. 12.

Crimewatch

The following incidents were reported to the MIT Campus Police November 13-20:

Nov 13: Boat House: bike secured with a cable stolen, \$500. Bldg. 9: malicious damage and suspicious activity. Johnson Athletic Ctr: locker room, wallet stolen, \$24. Tang: cash and blank checks stolen, \$200.

Nov 14: DuPont desk: altercation between parties playing basketball. Bldg. E39: wallet reported stolen, only misplaced. Sigma Phi Epsilon: disturbance, snowball fight.

Nov 15: Sigma Alpha Epsilon: noise complaint.

Nov 16: Sigma Phi Epsilon: disturbance, snowball fight. Bldg. 4: malicious destruction of bulletin boards. Bldg. 8: graffiti. Astro Turf: assault and battery between persons known to each other. Bldg. E53: suspicious activity.

Nov 17: Student Ctr: bike secured with a cable lock stolen, \$600; male arrested for trespassing.

Nov 19: Bldg. E51: annoying phone calls. Westgate: bike secured with a cable stolen, \$150. #6 Club: backpack, VCR and CD player stolen, \$800. Bldg. 20: bike left unsecured stolen, \$80; bike secured to itself stolen, \$270.

Nov 20: Bldg 54: computer parts stolen, \$120.

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Printed on Recycled Paper

United Way volunteer helps oversee donations allocation

■ By Denise Brehm
News Office

Where does all the money donated to the United Way wind up? This may be a question that many donors to the annual campaign have had, but Patricia Brady decided to find out for herself.

Ms. Brady is senior project manager/team leader for MIT's Human Resources Practices Development (HRPD) team as well as a United Way volunteer and an active proponent of accountability by government, organizations and people.

"It was part of my education. We were taught in civics class that we are the government and the society. If we don't contribute to it, we're responsible for it not working," she said.

Ms. Brady has given her time and money to nonprofit groups for years, often through the United Way. But this year, she asked the charitable organization for something in return—proof that they were investing donated dollars wisely.

"How do you know that the money my husband and I give is being put where it makes the most sense?" she asked.

The United Way answered by inviting her to join one of their Allocations Committees, which determines which agencies merit contributions. The committee meets with agency leaders and conducts site visits as part of its evaluation. Members verify that agencies have appropriate methods of demonstrating that their services reach the neediest members of the targeted population.

Ms. Brady is impressed by what she's found. "That money is very well invested," she said. "Because United Way agencies are held accountable for long-term, positive impacts, these donations are investments in our society, not handouts.

"For instance, the Success By 6 program really gives us an opportunity to invest in the future. I firmly believe that if we don't provide good support systems for our children, they'll never get out of the support mode. They need good food, good health and a nurturing environment."

The Success by 6 campaign provides funding for programs such as quality day care and well-child health care visits. Some of the campaign's objectives are to make sure that all children under the

age of six have an ongoing relationship with a caring adult, nourishing meals, safe places to spend time and proper health care.

"As these programs continue to help children become productive citizens, we may be able to shift the focus from intervention to prevention. But not yet," Ms. Brady said. "When I was a young parent struggling to do my best each day, I would often reach back in my memory bank and ask what my mother would have done in a similar situation. A lot of people today reach back, and there's nothing positive for them to draw upon."

In both her career and volunteer work, Ms. Brady is interested in making sure that financial and human resources get applied in ways that best meet the goals of the organizations and individuals involved. She was associate director of the Center for Real Estate until February, when she was asked to lead the HRPD team, whose mandate is to "evolve a set of human resources practices that go beyond the needs of the reengineering project, to help the Institute maintain its competitive advantage and commitment to being a good employer," she said.

Ms. Brady and her husband Daniel, whom she describes as "an exemplary volunteer," passed down the sense of civic responsibility to their three children. "I'm happy to say they all volunteer," she said.

Anyone who would like to learn more about volunteering for a United Way agency may call the Volunteer Action Center at 624-8186. For more information about MIT's United Way campaign, contact Elizabeth Mulcahy in the Office of Special Community Services at x3-7914 or <ekm@mit.edu>.

MIT's United Way campaign runs through December 31. The fund drive has raised \$120,593 as of November 24, putting the Institute at 38 percent of its \$315,000 goal for 1997. The 491 donors include 27 Leadership Givers pledging \$1,000 or more. Donations will go to social-services agencies that help more than 2.2 million children and adults in Eastern Massachusetts.

For more information on the MIT campaign, including drop-off sites for the clothing drive beginning December 8, go to <http://web.mit.edu/campus-activities/www/scs/uwmit.html>. The United Way of Massachusetts Bay also has a web site at <http://www.uwmb.org>.



Neighborhood concern and civic responsibility motivate Patricia Brady to volunteer for the United Way.

Photo by Donna Coveney

NSA's Morris gives warnings on information encryption

■ By Patti Richards
LCS Communications

When it comes to protecting information, you can't be too careful. "If people think I see wires and mikes everywhere, it's because I do," said Robert Morris Sr., former chief scientist at the National Security Agency. "To protect information, one has to be paranoid."

Mr. Morris talked about his experiences protecting valuable information

from World War II to the present during a visit to MIT last week as part of the Laboratory for Computer Science's Distinguished Lecture series. His skills in this realm are shared by his son, Robert T. Morris, Jr., who wrote the famous Internet worm program that brought down the Internet for several days in November 1988.

At Bell Labs early in his career, Mr. Morris was part of the team that built the first modem, designed to run at the then-incredible speed of 48 bits per

second. In the early 1960s, he worked with researchers at LCS on the development of MULTICS, the world's first time-shared computer system. He was educated at Harvard where he received bachelor's and master's degrees in pure mathematics.

In 1984, Morris joined the NSA full-time as chief scientist of the National Computer Security Center. During the Gulf War, he was detailed to the Joint Chiefs of Staff, where he worked with a special team on nullifying the Iraqi

defense system. He retired in 1994 as the equivalent of a three-star general.

After decades in the information and intelligence business, Mr. Morris said the most important security is "not leaving your information lying on the sidewalk." Among the most common ways that information gets into the wrong hands, he said, are carelessness, overconfidence and "the cleaning person in the office." E-mail, in particular, has never been adequately encrypted, and he advised not even considering it for secure transactions.

In the past, Mr. Morris said, military and diplomatic messages were the information that people most wanted to exploit. Now the emphasis is on financial transactions, especially inter-bank transfers. With the Internet's rapid growth, electronic commerce and ordinary privacy are also areas of increasing concern, he said.

"NSA, being the principal cryptographic organization in the government, has to make sure that it recommends strong enough methods that the banking system in particular won't get filled up with fraudulent transactions," Mr. Morris said in reference to the current cryptography debate. "But neither do

we want to recommend methods that make the intelligence business either impossible or excessively expensive. And we want to make sure that neither terrorists nor druggies have crypto strong enough to prevent detection."

Mr. Morris acknowledged that controls on widespread civilian use of strong cryptography could be compared to the National Rifle Association's argument about gun control: that it keeps weapons out of the hands of honest people but does little to deter criminals. "The good guys that need it are prevented from getting more," he said.

However, he added, the issue is less a matter of absolute security than of cost. "Think of reading something that is encrypted as being more or less expensive, depending on the strength of the encryption," he said. "It all comes down to how much it costs to crack a code, and whether someone is willing to spend the money to do it."

Indeed, in cost terms, deciphering encrypted information is still far more expensive than traditional intelligence methods: "burglary, blackmail, bribery and bugging," Mr. Morris said. So what's the most secure way to send a message? "Probably the US mail."

Awards & Honors

■ The National Council of University Research Administrators has bestowed its Outstanding Achievement Award to **George Dummer**, director emeritus of the Office of Sponsored Programs. Mr. Dummer who joined MIT in 1961 and was OSP director from 1973-94, prepared the first definitive publication on institutional intellectual property rights.

■ Two members of the International Students Office—**Milena Levak**, associate dean for graduate education and ISO director, and Assistant Dean **Danielle Guichard-Ashbrook**—were presented with Distinguished Service Awards from the New England Region (Region XI) of the Association of International Educators (called NAIFA). The deans were selected for their "untiring efforts in running the Third Thursday meetings" for Boston-area members, held at MIT since 1978. At the meetings, which are open to all international student advisors in the area, people who are new to the field can learn from more experienced colleagues and advisors can exchange information on new immigration regulations and procedures.

■ Senior **Robert B. Gray** of chemical engineering has been selected as one of the National Football Foundation's 18 scholar-athletes for 1997. The award includes an \$18,000 two-year postgraduate fellowship. It is given to men who "have shown superior academic application and performance, have outstanding football ability as a first-team player, and have demonstrated outstanding

leadership and citizenship."

■ One of two inaugural Robert H. Hill Memorial Awards, presented to outstanding contributors in the advancement of X-ray lithography, was given to Dr. **Henry Smith**, the Joseph F. and Nancy P. Keithly Professor of Electrical Engineering. The award is given by Suss Advanced Lithography, Inc., of Waterbury, VT, in honor of Mr. Hill,



Smith

an IBM employee who worked toward making X-ray lithography a cost-effective alternative to optical lithography.

■ **Thomas Kochan**, the George Maverick Bunker Professor of Management, is one of 14 newly elected Fellows of the National Academy of Human Resources. The organization honors individuals "whose accomplishments have made significant contribution to the theory and practice of human resource management." Professor Kochan, an expert in organizational behavior and industrial relations, has been at MIT since 1980.



Kochan

■ **Keeten Kanti Kalan**, a graduate student in urban studies and planning

as well as the founder and director of the South African Exchange Program on Environmental Justice, has received an award from the Ignacio Martín-Baró Fund for Mental Health and Human Rights. Mr. Kalan has been an activist concerned with the socioeconomic effects of environmental policies and heightening awareness of the link between the environment and health. The fund supports grassroots mental health and human rights initiatives.

The featured speaker at the fund's annual commemorative event at which Mr. Kalan received the award was **Margaret Burnham**, a lecturer in political science and founder of Boston's all-black female law firm.

■ The Association for Computing Machinery's 1997 Special Interest Group for University and College Computer Services competitions featured two MIT winners. *i/s NewsLink*, a web-based Information Systems publication, at <http://web.mit.edu/is/newslink>, was awarded first place in the Specific Computing Services/Web category and second place in the Computing Services Newsletter/Web category. **Robyn Fizz**, I/S marketing communications coordinator, is the publication's managing editor. **Kevin Cunningham**, senior technical writer in I/S, was awarded third place in the Computing Organization/Printed category for the "Welcome to Athena" brochure that describes the Athena system, policies and help resources.

MLK award nominations invited

The Planning Committee for the Dr. Martin Luther King Jr. Celebration is now accepting nominations for the Martin Luther King Jr. Leadership Awards. These awards recognize individuals and groups in the MIT community and graduates of MIT whose achievements exemplify the ideals of Dr. King by their contributions to MIT, their professions and the broader community.

MIT alumni/ae, undergraduate and graduate students, faculty and staff are all eligible. Both individuals and groups, including living groups and student

and professional associations, will be considered. "Community service" is defined in the broadest sense; academic, research, religious and secular contributions will be considered.

Members of the MIT community are invited to submit nomination letters to Dean Arnold Henderson Jr. in Rm 5-106 by December 15. E-mail letters of nomination will also be accepted. Awardees will be selected by the Martin Luther King Jr. Committee. The awards will be presented at the Martin Luther King Jr. Celebratory Breakfast in 1998.

Faculty survey results posted on web

The Task Force on Student Life and Learning, charged in September 1996 by President Charles Vest with evaluating MIT's educational mission and processes, has released the results of its faculty survey.

Faculty members offered their views on MIT's fundamental values, forces likely to change the Institute in coming decades, and elements that

define a well-educated person.

The survey results are published in their entirety in a special issue of the MIT Faculty Newsletter (October 1997), which can be found on the web by going to <http://web.mit.edu/fnl/> and clicking on "Current Issue." The issue also includes a report on discussions and opinions at the junior faculty workshop held earlier this year.

Institute
Calendar

* -Open to public
** -Open to MIT community only
*** -Open to members only

(For arts-related listings, see page 7)

November 26-December 14

■ SPECIAL INTEREST

Toward Machines That Can Deny Their Maker*—Rosalind W. Picard, MIT. God and Computers: Minds, Machines, and Metaphysics, sponsored by the Artificial Intelligence Lab. **December 10, 4:30pm, Rm 34-101.**

■ SEMINARS & LECTURES

WEDNESDAY, NOVEMBER 26

Temporal Changes In Eddy Energy Of The Oceans*—Dr. Detlef Stammer, MIT. Oceanography Sack Lunch Seminars, EAPS, 12:10pm, Rm 54-915.

MONDAY, DECEMBER 1

Radiation Effects in Glass and Ceramic Wasteforms*—Dr. Bill Weber, Pacific Northwest National Laboratory. American Nuclear Society/Nuclear Engineering Dept. Seminar, 3:30pm, Rm NW12-222. Refreshments, 3pm.

In a Liminal Space: Art as Medicine, Medicine as Art**—Eric Avery, Univ. of Texas Medical Branch at Galveston. Sponsored by the Program in Science, Technology, and Society, 4pm, Rm E51-095. More info: x3-4062.

Quantum Computation*—Seth Lloyd, Mech.E, MIT. EECS Fall Colloquium Series, 4-5pm, Edgerton Hall, Rm 34-101. Refreshments at 3:45pm.

Turbulence in Rotating Shallow Water with an Application to the Atmospheres of the Giant Planets*—L.M. Polvani, Applied Physics Dept, Columbia University. Applied Mathematics Colloquium, Rm 2-105, 4:15pm. Contact: x3-3661.

TUESDAY, DECEMBER 2

Why von Neumann Did not Like the Hilbert Space Formalism of Quantum Mechanics (and What He Liked Instead)*—Miklós Rédei, Loránd Eötvös Univ., Hungary. Dibner Institute Lunchtime Colloquium, 12-2pm, Dibner Institute, Bldg E56. If you plan to attend, contact: <dibner@mit.edu> or x3-6989.

Pearling and Pinching: Propagation of the Rayleigh Instability*—Thomas Powers, Dept of Physics, Univ of Arizona. Physical Mathematics Seminar, Rm 2-105, 2:30pm. Contact x3-3661.

High Performance Microprocessor Design*—William J. Bowhill, Digital Semiconductor, Hudson, MA. MTL VLSI Seminar Series, 4pm, Rm 34-101. Refreshments, 3:30pm. More info: x3-4799.

On Information Structures and Nonsequential Stochastic Systems*—Demosthenis Teneketzis, University of Michigan. LIDS Colloquium, 4pm, Rm 35-225. Refreshments at 3:45pm.

Sonoluminescence: Classical Bubble Dynamics with a Twist*—Prof. Michael Brenner, Math Department, MIT. Chez Pierre Seminar, Rm 12-132, 4:15pm. Tea and cookies at 4pm.

Active Control of Rotating Stall and Surge in NASA Compressor Stage 35 with Inlet Distortion*—Zoltan Spakovszky. Gas Turbine Laboratory Seminar, 4:30pm, Rm 31-161. Refreshments at 4:15pm. Contact: x3-2481 or <dragonl@mit.edu>.

Playing Terrorist: The State and the Political Imaginary in the Basque Country*—Begoña Aretxaga, Harvard Univ. Peoples and States: Ethnic Identity and Conflict, 4:30-6pm, Rm E38-714. Contact: x3-3065 or <rcjacobs@mit.edu>.

WEDNESDAY, DECEMBER 3

Heterodyning: From the Radiowave to Lightwave*—Mel Teich, Boston Univ. EECS/RLE Seminar Series on Optics and Quantum Electronics, 11am-noon, Grier Room, Rm 34-401B. Info x3-8504.

De-alerting Strategic Forces*—Bruce Blair, Senior Fellow, Brookings Institution. Security Studies Seminar, Center for International Studies, 12-1:30pm, Rm E38-615. Bring a bag lunch. More info: x3-0133 or <llevine@mit.edu>.

Leadership in a Dynamic Environment*—William Weisz (SB '48), Motorola. Industry Leaders in Technology and Management lecture series, co-sponsored by the School of Engineering and the Sloan School, hosted by the Center for Technology, Policy and

Industrial Development, 4pm, Wong Auditorium (Building E51).

Large Rivers from Space*—Leal Mertes, Univ. of California, Santa Barbara. EAPS Lecture Series, 4pm, Rm 54-915. Refreshments at 3:30pm in Ida Green Lounge.

Convexity and A-Graded Algebras*—Dr. Vesselin Gasharov, Math Dept. MIT Combinatorics Seminar, Rm 2-338, 4:15pm. Contact: x3-7775.

How Humans Evolved a Sense of Self and an Understanding of Their Morality*—Marc Hauser, Assoc. Prof., Depts of Anthropology & Psychology, Program in Neurosciences, Harvard Univ. God and Computers: Minds, Machines, and Metaphysics, sponsored by the Artificial Intelligence Lab, 4:30pm, Rm 34-101.

Old Patterns, New Trends in Migration to Germany*—Rainer Munz, Humboldt University, Berlin. Sponsored by the Inter-University Committee on International Migration, 4:30-6pm, Rm E38-615. Contact: x3-3121 or <lauries@mit.edu>.

Wavelet Methods for Estimating Poisson Intensity Functions*—Prof. Eric D. Kolaczyk, Univ of Chicago and Harvard Univ. Statistics Seminar, Rm 2-105, 5:15pm. Contact: x3-4390 or x3-1798.

Variance in Research Design: Ethnic Conflict and Civic Life in India*—Prof. Ashutosh Varshney, from Harvard University. Ford Methodology Workshop, 6pm, Rm E38-714.

THURSDAY, DECEMBER 4

Evidence and Concepts for Nonlocal Transport*—Prof. Jim Callen, University of Wisconsin. Plasma Science and Fusion Center Seminar Series, 3pm, Rm NW16-213. Refreshments at 2:45pm.

A Framework for Measurement-based Admission Control in High-Speed Networks*—David Tse, Univ. of CA at Berkeley. Operations Research Center Seminar Series, 4-5pm, Rm E40-298. Refreshments follow, Rm E40-106. More info: <http://web.mit.edu/orc/www> or <cjayc@mit.edu> or x3-7412.

Lecture by David Kayes, Graduate Research Asst. Sloan Automotive/Reacting Gas Dynamics Laboratories, 4:15-5:15pm, Rm 31-161. Refreshments, 4pm.

Affective Computing*—Prof. Rosalind W. Picard, Media Lab. authors@mit series, 5:30pm, E25-111. Info: <authors@mit.edu> or x3-5249.

Science Fiction Reading*—Ellen Kushner and Sarah Zettel. MIT Communications Forum, Rm 10-250, 7-10pm <http://media-in-transition.mit.edu>.

Maglifter Talk*—Dr. David B. Cope, Foster-Miller, Inc. Sponsored by MIT SEDS/National Space Society Boston Chapter. Rm NE43-800, 7:30pm. Refreshments. Contact: <bam@draper.com> or Bruce at x182-8282.

FRIDAY, DECEMBER 5

Air Entrainment in Free-Surface Flows*—Prof. Andrea Prosperetti, Dept of Mechanical Engineering, The Johns Hopkins Univ. Mechanical Engineering Seminar, 3pm, Rm 3-270. Refreshments, 4pm, Rm 1-114. More info: x2-1490 or x3-1925.

Rational Design of Catalytic Materials Via Molecular Imprinting: Fact or Fiction*—Mark E. Davis, California Institute of Technology. Hoyt C. Hottel Lecture, sponsored by the Dept of Chemical Engineering, 3pm, Rm 66-110. Reception, 2:45pm.

Alpha Particle Physics in the TFTR DT Experiments*—Dr. Stuart Zwebel, PPPL. Plasma Science and Fusion Center Seminar Series, 4pm, Rm NW17-218.

Deposition of Deep-Water Sands, Pliocene, Niger Delta: Sequence Stratigraphy, Depositional Facies, and Sand Body Geometry and Stacking Patterns*—Dr. Ronald Kreisa, Mobil Technology Co. EAPS Lecture Series, 4pm, Rm 54-915. Refreshments at 3:30pm in Ida Green Lounge.

Group Action on Posets*—Dr. Dmitry Kozlov, Math Dept. MIT Combinatorics Seminar, Rm 2-338, 4:15pm. Contact: x3-7775.

MONDAY, DECEMBER 8

Radiation Protection of Personnel*—Dr. Roger Clarke, National Radiological Protection Board of the United Kingdom. American Nuclear Society/Nuclear Engineering Dept. Seminar, 3:30pm, Rm NW12-222. Refreshments, 3pm.

Quantum Teleportation and "The Willies": Cryptology, Ethics, Entangled States*—Michael Fortun and Herbert Bernstein, Institute for Science and Interdisciplinary Studies, Hampshire College. Sponsored by the Program in Science, Technology, and Society, 4pm, Rm E51-095. More info: x3-4062.

The International Community and the Refugee Crisis in the Great Lakes Region of Africa*—Joel Boutrou, UNHCR & Visiting Fellow, CIS. Inter-University Seminar in International Migration, CIS, 4:30-6pm, Rm E38-714. More info: x3-3121 or <lauries@mit.edu>.

TUESDAY, DECEMBER 9

Did Natural History End in the 19th Century? On the Fascination with Particularities and Bridging Paper-Tools*—Ursula Klein, Max-Planck Institute. Dibner Institute Lunchtime Colloquium, noon-2pm, Dibner Institute, Rm E56-100. If you plan to attend, contact <dibner@mit.edu> or x3-6989.

The Wear Mechanism of Elastomeric Seals Operating in Abrasive Slurries*—Hugo Ayala, MIT. Mechanical Engineering Fluid Mechanics Seminar, 4-5pm, Rm 5-234. More info: x3-2021.

WEDNESDAY, DECEMBER 10

Zero to \$300 Million in Three Years: Philosophies for Fast-Track Entrepreneurship*—Jon Hirschtick, Founder and CEO, Solidworks, Inc. MechE Distinguished Alumnus Event, Bechtel Lecture Hall Rm 1-390, 4pm.

Toward Machines That Can Deny Their Maker*—Rosalind W. Picard, MIT. God and Computers: Minds, Machines, and Metaphysics, sponsored by the Artificial Intelligence Lab, 4:30pm, Rm 34-101.

Remarks on Viro's Combinatorial Construction of Smooth Real Projective Hypersurfaces*—Dr. Jesus Doloera, The Geometry Center. MIT Combinatorics Seminar, Rm 2-338, 4:15pm. Contact: x3-7775.

THURSDAY, DECEMBER 11

TBA*—Paul Matsudaira, Whitehead Institute for Biomedical Research, MIT. Mechanics & Materials Seminar Series, Dept. of Mech. Eng., 4-5pm, Rm 5-234. Refreshments at 3:45pm. More info <l_m@mit.edu>.

The Hybrid Internal Combustion Engine Concept*—Carlos Herrera, Graduate Research Asst. Sloan Automotive/Reacting Gas Dynamics Laboratories, 4:15-5:15pm, Rm 31-161. Refreshments, 4pm.

FRIDAY, DECEMBER 12

Self-organized Carbonate Precipitation into Alkaline Media: Application to Precambrian Geochemistry*—Prof. Juan M. Garcia-Ruiz, University of Granada. EAPS Lecture Series, 4pm, Rm 54-915. Refreshments at 3:30pm in Ida Green Lounge.

■ COMMUNITY CALENDAR

Falun Gong Classes* — Falun Gong is an ancient method of self-improvement in body and mind, an advanced Qigong system of the Buddhas' School. Good for all ages. Everyone is welcome. No fees or donations. Tuesdays, 6:30-7:30pm, Rm. 1-134. Contact Leonard at x3-0720 or see <http://falun.mit.edu>.

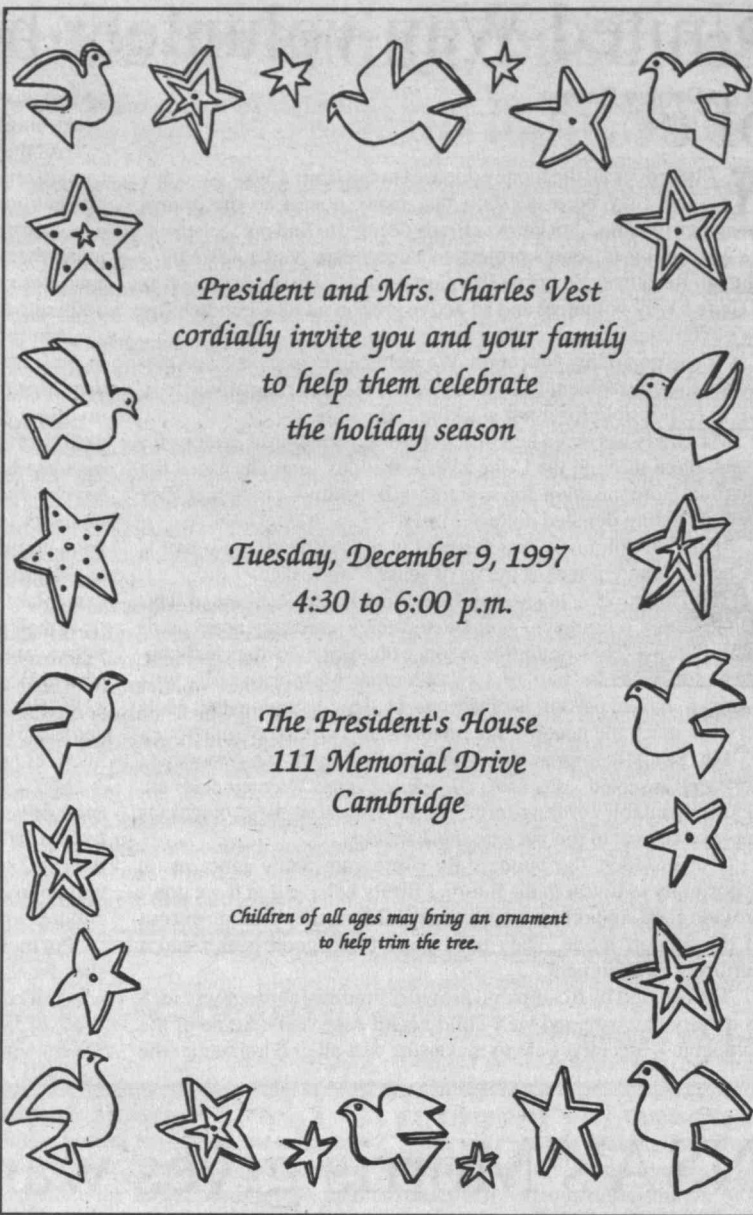
Libraries' Booksale*—Hayden Library Basement, Building 14S. Thursday, Dec. 11 10am-3pm. Engineering, philosophy, and miscellaneous subjects. Free materials in every sale. Funds raised support the Library Preservation Fund. Gifts Office, x3-5693.

Working Group for Support Staff Issues*—Dec 11: Regular meeting, 12-1:30pm, Rm 10-105 (Bush Room), lunch provided. Please RSVP to <kates@mit.edu>. More info: Kate Schenck x3-5921 or Edward Jacobson x3-5030.

Children's Skating Classes—Registration is open** for MIT community children's skating lessons (ages 6-12 years) to be held Saturday mornings beginning December 6 in the Johnson Athletic Center rink. Classes will run December 6, 13, January 10, 17, 24, and 31. Beginner classes will meet at 12pm and Intermediate classes at 1pm. The fee is \$40 (\$30 if parent is an Athletic Card holder) payable at the time of registration. Information: Physical Education Office x3-4291, W32-125.

Family Resource Center Seminars*—Dec 2: When Partners are from Different Religions, 12-1:30pm, Rm E19-758. Preregistration requested, call x3-1592 or e-mail <frc@mit.edu> or see <http://web.mit.edu/personnel/www/frc>. Sponsored by the Family Resource Center.

Health Education Services Wednesday Workshops for Parents and Parents-to-Be**—Dec 3: Who's in Control? Dec 10: Keeping Our Children Safe and Healthy. All workshops 12-1pm (except where noted), Rm E23-297, free, children welcome, no preregistration necessary, open to members of the MIT, Draper and Whitehead communities and to their families. More info: x3-1316.



Summer Camp Briefing**—Dec 4: An overview of resources to help identify and select day camp and summer enrichment programs for children. Sponsored by the Family Resource Center, 12-1pm, Rm 4-206. Preregistration required, call x3-1592.

Infant-Toddler Child Care Briefings**—Dec 8: Introductory discussions for expectant parents and those new to parenting or child care, covering types of care, costs, finding and evaluation care, and parental leave. Sponsored by the Family Resource Center, 12-1:30pm, Rm 4-144. Preregistration required, call x3-1592.

MIT Women's League—Informal Needlework Group:** 10:30am-1:30pm, Rm 10-340 (Emma Rogers Room). Upcoming meetings: Dec 3, 17, Jan 7, 21, Feb 4, 18, Mar 4, 18, Apr 1, 15, May 6, 20, June 3. Tai Chi Classes: Tuesdays 5:15-6:30pm, Rm W31-225. Classes open to all levels. To register call x3-9436.

Wives Group**—Nov. 19: World Wide Web presentation, Meet in E40-302 at 3p.m. Nov. 26: Ice Skating. Meet at W34 at 11:45am. Children welcome. \$5 entrance fee without athletic card. Skate rental available for \$2. **Language Conversation Exchange:** Learn a new language while helping someone practice English. English speakers needed! **Ongoing:** Meetings held every Wed. in W20-400 at 3pm unless noted otherwise. Childcare provided. Info: Jennifer x3-1614.

■ MITAC

The MIT Activities Office (MITAC) is a non-profit employee service that serves the cultural and recreational needs of the MIT community (including MIT's retirement community), their families, and friends. Two locations: (1) Room 20A-023, 18 Vassar St, Cambridge, 9:30am-3:30pm, Monday, Wednesday, Thursday, and Friday (closed Tuesday and all Institute holidays); (2) Room LLA-218, x6130, Lincoln Lab., Lexington, 1:15-4pm, Thursday and Friday only. Call x3-7990 at 20A-023 or e-mail <julieh@mit.edu> for further information. MITAC accepts only cash or a personal check (with a valid MIT ID) made payable to MIT. (Include MIT ID#, room number, and extension on checks.) Credit cards not accepted. MIT IDs must be presented.

SPECIAL NOTICE: The MITAC Office will be closed on Friday, Nov. 28.

Boston Classical Orchestra (Faneuil Hall, Boston)**—Fri., Dec. 5, 8pm or Sun., Dec. 7, 3pm. Ticket: \$14 (reg. \$18).

A Child's Christmas in Wales (Lyric Stage, Boston)**—Thur., Dec. 11, 8pm. Ticket: \$16.50 (reg. \$24). Purchase by 12/4.

Disney's Aladdin on Ice (FleetCenter, Boston)**—Sun., Dec. 28, noon. Ticket: \$20 (reg. \$22.50). Purchase by 12/5.

Yo-Yo Ma (Symphony Hall, Boston)**—Sun., Jan. 11, 3pm. Ticket: \$40 (reg. \$45). Purchased by 12/12.

Sesame Street Live (Lowell Memorial Auditorium, Lowell)**—Sun., Jan. 18, 1pm. Ticket: \$13.50 (reg. \$14.50). Purchase by 12/18.

BlueMan Group (Charles Playhouse, Boston)**—Fri., Jan. 23, 10:00pm. Ticket: \$37 (reg. \$45). Purchase by 12/19.

The Peking Acrobats (Symphony Hall, Boston)**—Sun., Feb. 12, @ 3pm. Ticket: \$31 (reg. \$35). Purchase by 1/2.

Bruins vs. Pittsburgh Penguins (FleetCenter, Boston)**—Thurs., Jan. 29, @7:30pm. Ticket: \$27 (reg. \$29) and each ticket comes with a \$5 concession stand coupon good at any of the FleetCenter concession stands. On Sale Soon!

Museum Passes**—Children's Museum, \$4 (reg \$6-7); Museum of Science, \$4 (reg \$5.50-\$7.50).

Discount Movie Tickets**—Sony Theatres, Showcase Cinemas \$5; General Cinemas, adults \$5.50, children \$3.25; Kendall Square Cinema tickets, \$6.50.

■ SOCIAL ACTIVITIES

MIT Folkdance Club*—Sundays: International Dancing 7-11pm. Tuesdays: Advanced Balkan Dancing, regular teaching & requests, 7:30-11pm. Wednesdays: Israeli Dancing 7-11pm. MIT/Wellesley students free, \$1 others. Call x3-folk or e-mail <fdc-request@mit.edu> or see <http://www.mit.edu:8001/activities/fdc/home.html> for locations.

■ MOVIES

Admission to Lecture Series Committee Movies is \$2.50, and MIT or Wellesley identification is required. For the latest Lecture Series Committee movie and lecture information, call the LSC Movieline, x8-8881, or see <http://lsc.mit.edu>.

Dec 5: Operation Condor (1997), 7 & 10pm, Rm 26-100. Goldfinger (1964), 7:30pm, Rm 10-250. **Dec 6:** Cop Land (1997), 7 & 10pm, Rm 26-100. **Dec 7:** Operation Condor (1997), 4pm, Rm 26-100. Cop Land (1997), 7pm, Rm 26-100.

■ LOOKING AHEAD

Next deadline for listings: 12 noon Friday, December 5. Covers events from Wednesday, December 10 through Sunday, January 11. Listings for the Institute Calendar and Student Notices should be e-mailed to <itcalendar@mit.edu>. Hard copy also accepted (send to Calendar Editor, Rm 5-111), but e-mail preferred. Please use appropriate Calendar formatting. Faxes are not accepted. Early submissions encouraged.

Prof. Harold Freeman of economics dies at 88

Harold A. Freeman, professor emeritus of statistics in the Department of Economics, died at home in Andover at the age of 88. He was a graduate of MIT (SB '31) and spent most of his academic career at the Institute.

Born in Wilkes-Barre, PA, Professor Freeman majored in mathematics at MIT and was an instructor in economics before studying at Harvard University from 1936-38. He returned to MIT as an assistant professor in 1939, winning promotion to associate professor in 1944 and full professor in 1950. He retired from that post in 1976 but continued as a senior lecturer for 14 years.

Professor Freeman was a member of the Statistical Research Group assembled at Columbia University during World War II to devise methods of

sampling inspection and quality control for use in wartime industry. He was co-author of several important books to emerge from that work, notably *Sequential Analysis of Statistical Data: Applications* (1945) and *Sampling Inspection* (1948). He produced two other statistical books during his MIT career; after retiring, he wrote books of social criticism, including *Towards Socialism in America* (1982).

Professor Freeman served as a consultant to the US Army and governmental agencies including the Department of Health, Education and Welfare and the Department of Housing and Urban Development. He was a Fellow of the American Academy of Arts and Sciences as well as the Royal Statistical Society, the American Statistical Association (of which he also served as vice president) and the American Society for Quality Control.

He leaves his long-time companion Kathleen Adams; two sons, Arthur of London and Edward of California; and his former wife, Margaret of Belmont. A memorial service will be held at MIT at a date to be announced.



Freeman

How area code changes affect dialing from MIT

By Valerie Hartt and Lee Ridgway
Information Systems

By now, anyone within earshot of eastern Massachusetts should have heard that where there were once two area codes, there are now four—617, 508, 781 and 978. The change took effect September 1, in accordance with the plan put forth by Bell Atlantic (formerly NYNEX). A statewide grace period is in effect until December 1, when callers may use either the old or new codes; after that date, the new codes will be mandatory.

BELMONT REMAINS 617

When the 1997-98 MIT Faculty & Staff Directory was prepared during the summer, the area codes for individual listings were based on the latest information available. At that time, Belmont was assigned to the new 781 area; the directory listings for individuals living in Belmont were, consequently, given that area code. After the directory went to the printer, Belmont was reassigned back to the 617 area.

A few communities are still contesting their assignment to new area codes. Although highly unlikely at this late date, some reassignments may occur. IS Telecommunications recommends checking the Bell Atlantic area-code information web pages for news of further changes. Start at <<http://www.bell-atl.com/areacode/Pages/ma.html>>.

Belmont, Boston, Brookline, Cam-

bridge, Chelsea, Everett, Milton, Newton, Quincy, Somerville, Watertown, and Winthrop remain in the 617 area code. All other communities in the old 617 area code are now in 781 (for example, Arlington, Lexington, Medford, Nahant, Norwood, Wellesley).

The old 508 area code was split roughly along the line of the Massachusetts Turnpike, with the southern portion remaining in 508 and the northern portion moving to 978 (although Worcester is still 508). If your local phone service is from Bell Atlantic, you should have received details about the new area code assignments in the mail.

MIT in Cambridge remains in the 617 area code, and Woods Hole remains in 508. Area codes for other MIT facilities are changed, as shown in the tie-lines table below. All of these facilities can be dialed direct from campus phones, toll free and no area code needed, by using the MIT tie lines.

Impact on Class of Service and Rates
For on-campus phones, the only class of service affected is B2. Formerly restricted to calling within the 617 area code, it now includes 617 and 781. Other classes of service are unchanged for local and long-distance calls. The new area codes don't affect rates or toll calls. In general, a connection from the MIT campus is a chargeable, long-distance call when it goes beyond the Boston Metropolitan exchanges.

(This article is adapted from one that originally appeared in the September-October i/s newsletter).

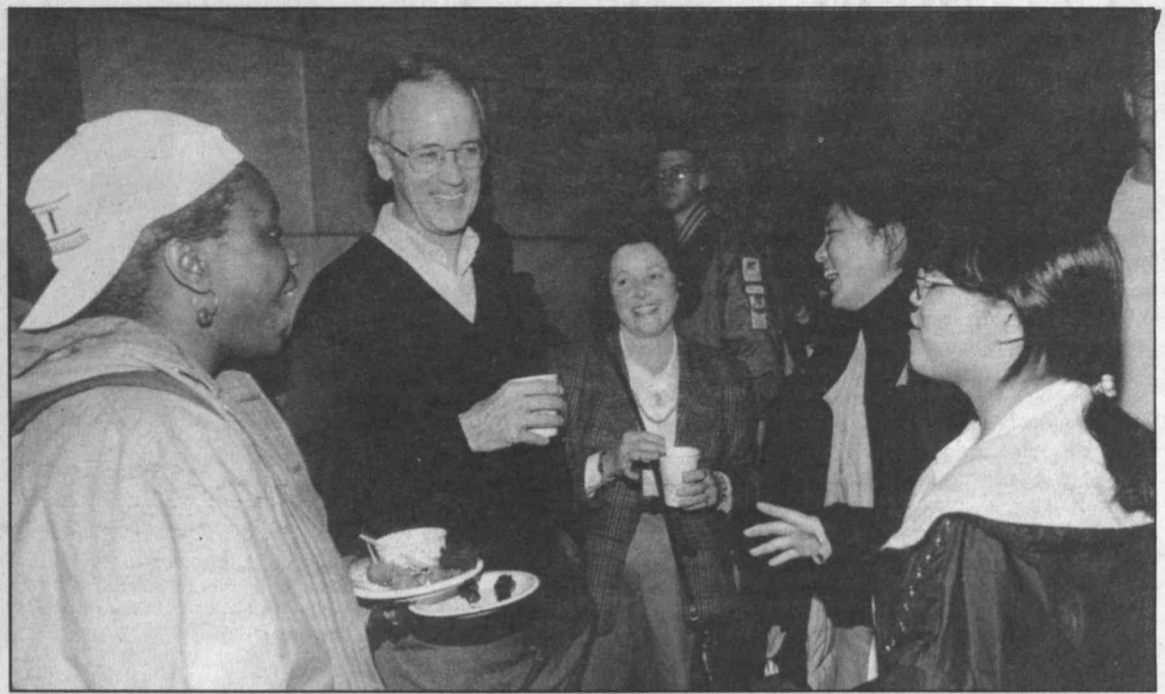
Facility and Area Code	Tie Line Extensions
Bates Linear Accelerator (978)	3 + four digits
Lincoln Laboratory (781)	181 + four digits
Haystack Observatory, Millstone (978)	181 + four digits
WHOI (508)	188 + four digits
To call:	Press:
—Local 617 and 781 numbers (Classes A, B1, B2)	9 (+ 781 if required) + phone number
—Long distance (including 781, 508 and 978 areas)	
• Class A	• 9 + 1 + area code + phone number
• Class B1	• 191 + MIT account number + 1 + area code + phone number

Ferguson of ACT to speak on American workplace skills

Richard Ferguson, president of American College Testing (ACT), will discuss "The Skills of the American Workplace: A Reality Check" at an MIT Forum on Public Education at 4pm on Tuesday, Dec. 2 in Rm 6-120. The session is open to the public.

ACT has produced a database for

more than 2,000 jobs and compared these profiles with the skills of prospective employees. The ACT Assessment allows college admissions officers to compare applicants throughout the world. Rather than testing their aptitude, the assessment focuses on the acquisition of knowledge and the ap-



President Charles and Mrs. Rebecca Vest (center) chat with sophomores Aisha Stroman (left), Alarice Huang and Phyllis Wen (right) at the Infinite Buffet. Photo by Donna Coveney

Thousands flock to Infinite Buffet

(continued from page 1)

tourists, a clown who made balloon animals and even a person applying temporary tattoos.

"It was so nice to see faculty, students and staff together at an event like this," said Katie O'Dair, assistant dean for student activities. "I think it was really good for MIT."

Producing enough food for thousands of people presented a challenge to MIT Dining Services. However, Beth Emery, food services director, said the task was made easier by having the buffet on a Saturday. The Faculty Club

had no functions scheduled, and Food Services closed Lobdell Food Court for the day.

"It was a treat to have the whole team work on one event together," she said. Operations manager Dave Danells and catering director Robert Planutis were instrumental in ensuring smooth operations, she added.

Food Services staff started preparing food on the Monday before the buffet in the Next House kitchen, which has many large walk-in refrigerators and freezers. "The hardest thing was just getting the food to the stations

along the corridor, because there were so many people," Ms. Emery said. However, the slight delays caused by crowds meant the food lasted longer, she added.

Ms. O'Dair, Ms. Sandberg and Anthony Ives of the Office of the Dean of Students and Undergraduate Education were the initial organizers, but they emphasized that the massive task of orchestrating an event like this in less than two weeks was very much a group effort. "It wasn't just the three of us that put this together. MIT has a great staff," Ms. O'Dair said.

Media Lab develops building toys with chips

(continued from page 1)

tools combining the physical and digital worlds can lead to a learning revolution—but only if used in appropriate ways. "Many of the software products that are being developed for children today serve to narrow, rather than broaden, children's intellectual horizons," said Professor Negroponte, co-founder and director of the Media Laboratory. "To create a learning revolution, both at home and in the classroom, we need to use technologies that support a new vision of learning."

The MIT team began linking computers to children's toys in 1984, in cooperation with The LEGO Group, which funded the research. Early versions used wires to connect LEGO building materials to desktop computers. Now, taking advantage of the declining size and cost of electronics, the researchers have embedded tiny computers directly inside LEGO bricks and other toys, and they have added communications capabilities so that the toys can "talk" with one another.

In one pilot study, a group of fifth-grade students used the MIT "programmable bricks" to build and program a dinosaur like one they had seen in Jurassic Park.

Younger children are trying out MIT's "digital beads." Each bead has a tiny light and can communicate with neighboring beads along a necklace. By stringing the beads together in different ways, children create different dynamic patterns of light, learning an important scientific lesson on how patterns can emerge from simple, local interactions.

At another site, a 10-year-old girl used the MIT programmable bricks to build an automated bird feeder. When-

ever a bird lands, it triggers a sensor, activating a LEGO mechanism that pushes the shutter of a camera, taking a picture of the bird. Now she can keep track of what types of birds come to her feeder, even when she's away at school.

"By building and programming their own scientific instruments, children not only become more motivated in science, they gain a deeper understanding of the scientific concepts underlying their investigations," said Professor Resnick.

The new MIT tools are intended to counter the trend toward "black box"

technologies. "The opacity of contemporary technology undermines the child's habit of asking 'How does that work?'" said Professor Papert. "How do automatic controls know what to do? How does an airplane's autopilot 'know' where to go? To say that these machines are 'programmed' invests the idea of programming with mystery. Giving the child the opportunity to build, program and play with models that will perform similar functions takes away the mystery."

For more information, see the Learning Tools of the Future web site at <<http://193.69.110.40/>>.

Mechanical Engineering hosts talk on entrepreneurship

The Department of Mechanical Engineering will host Jon Hirschtick (SB '83, SM) as its Distinguished Alumnus on Wednesday, Dec. 10, when he will give a lecture entitled "Zero to \$300 Million in Three Years: Philosophies for Fast-Track Entrepreneurship" in the Bechtel Lecture Hall (Rm 1-390) from 4-5 pm.

Mr. Hirschtick is CEO of SolidWorks Corp., a mechanical design software company he founded in 1993. He began his career in 1981 as part of the MIT internship program, working at Computervision as a software engineer developing mechanical applications in the areas of finite element modeling and mass prop-

erty calculation.

In 1987, Mr. Hirschtick also founded the Premise, Inc. a developer of Windows-native mechanical engineering software. The firm was acquired by Computervision in 1991.

The lecture is part of an annual two-day program to bring mechanical engineering alumni/ae together with students and faculty at MIT. It is free and open to the public.



Hirschtick

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Race 2000 panelists discuss stereotypes of Asian Americans

(continued from page 1)

chair of the Committee on Campus Race Relations; Dr. Kristine A. Cha, a psychiatrist in the Medical Department; and Professor Mary Ni from Counseling Services at Boston University (formerly an assistant dean for residence and campus activities at MIT).

Also on the panel were junior May-Li Khoe, sophomore Lei Wang and graduate student Anant Sahai, all of electrical engineering and computer science; Samit Chattopadhyay, a postdoctoral fellow at the Center for Cancer Research; and Anthony Ng, a graduate student in urban studies and planning.

The evening opened with a video montage created by Yu Chen, a sophomore in EECS, with historical images of Asian-American experiences such as immigration and Executive Order 9066 (President Franklin Roosevelt's 1942 internment order for Japanese-Americans), film clips from "The World of Suzy Wong," and Pam Prasartongsoth (SB '97), a Thai-American, declaring with emotion, "I have no sense of place."

Discussing the notion of Asian-Americans as a "model minority," Professor Chung called the stereotype a "gross oversimplification" that denies differences among and within groups of Asian-Americans. Dr. Ni agreed. "It's very divisive for Asians and pits them against other minority groups," she said.

"The 'model minority' puts on more pressure; it's a setup for not being able to be human," Dr. Cha said. "The stereotype also makes it hard for

Asians to come for help, to admit weakness and vulnerability."

Considering the question of whether Asians at MIT shared issues that might unite them, Dr. Teng said there is "little pan-Asian unity at MIT" now.

"Our commonality is this issue of identity," Mr. Ng responded. "Whether your family is first- or second-generation, we're always trying to figure out where and how we're going to fit in."

"Our common experience is survival," Professor Chung said. "Growing up where I did, we had to assimilate to survive. My brother and sister and I were three of only five Asians in our school of 2,800."

The effects of racism also bind Asian-Americans together, asserted Ms. Ni, whose family, like Professor Chung's, were the only Asians in her Maryland town. Beyond wanting to assimilate, she said, she sought to avoid the racism that she observed against African-Americans.

"I grew up wanting to be white. Whites were the ones with the power, the material possessions, the homes in better neighborhoods," she said.

"The best way to understand racism is to experience it blatantly," Professor Chung said. "We're now affluent, we're now the 'model minority.' I worry that, by not remembering the lessons the first generation went through, we may repeat them in relation to others."

Other stereotypes of Asian Americans provoked discussion. Asian women are portrayed in movies and television as either exotic or docile or both, while Asian men are depicted as neither



Panelist May-Li Khoe speaks at the Race 2000 forum in Rm 10-250 while Mary Ni of Boston University, a former dean at MIT, looks on.
Photo by Donna Coveney

handsome nor sexy, panelists said. They cited the "Chinese delivery guy" on "Seinfeld," Apoo the Kwik-E Mart owner on "The Simpsons," and characters in "The Temple of Doom."

Mr. Sahai observed, however, that some South Asians' angry response to the character of Apoo may arise from internalized class bias. "When

singled out "Red Corner," a current movie about Chinese-Tibetan history.

Questions about the impact and significance of interracial dating and marriage generated several comments. "Asians are as racist as anyone else. Asian parents may not be comfortable with a white boyfriend, but with an African-American, they'd basically faint," Professor Chung said.

The room shared a groan of recognition when a young woman described Chinese mothers as likely to say to their daughters, "White men are Westernized. They'll treat their wives as equals."

An African-American audience member challenged the gathering to look beyond the divisive effects of racism to see possibilities for mutual development. "Don't believe the hype that so long as you're successful, you're safe," he said. "The black and Asian communities can learn from each other. Blacks can learn about economic development from Asians and Asians can learn about political development from blacks."

Other audience comments included those of two faculty members whose working lives had been much affected by discrimination against Asian-Americans. One of them, Professor Chiang C. Mei of civil and environmental engineering, said he hoped future Race 2000 events would include faculty and staff representation.

The program was organized by the Asian Pacific American Caucus (APAC), SANGAM, South Asian American Students (SAAS), and the Committee on Campus Race Relations.

"I worry that, by not remembering the lessons the first generation went through, we may repeat them in relation to others."

—Prof. James E. Chung

we're portrayed as Kwik-E Mart owners, our righteous anger demands to know, how dare they portray us as less privileged or lower-class than we really are?"

"About the question of stereotypes, I invite people to join my personal boycott: I'm so sick of 'yellow face' in the media," Associate Dean for Counseling and Support Services Ayida Mthembu added later. As an example of white actors wearing 'yellow' makeup to play Asian characters, she

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■ FOR SALE

Epson LQ-510 laser printer incl stand, pin-feed paper, 2 toner cartridges, \$70; Nine West W's sz 9 black lace-up boot w/2" heels, new, \$40. Nancy x8-8479 or <nwilliam@mit.edu>.

Microwave cart, \$25; desk w/chair, \$25; MacClassic computer, \$250; 4-wheel metal shopping cart, \$10; folding stand-up clothes dryer, \$5; shoe rack, \$5; all like new. Contact <dennis@rosa.mit.edu>.

Jane Fonda treadmill (non-motorized), bought new for \$450, used once - prefer eating; \$250. Call x8-7897 or <donna@mit.edu>.

Acoustic Research AR-4 speakers, pair, \$100 or bst offer. Hal, Linc x7440 or <hal@xn.ll.mit.edu>.

Clothes dryer, Hotpoint, hvy-duty, 3-cyc, lrg capacity, electric, bought new 1995, used for a few months, \$150 or bst. Sue <dynarski@mit.edu>, x3-2675 or 776-8413.

Hardside Amer. Tour. 29" suitcase, used; lg duffel bag w/whls; Realistic 1-tape deck, recvr, 2 spkrs, bst offer for all above; Nordic Trac skier, v gd cond, ask \$200. Joan x3-7900, <jcyr@mit.edu>.

Sony portable car diskman, incl car kit, a/c adapter, stereo adapter, 10 sec ESP, lighted display, headphone outlet, carrying case, 10 disk holder, top of the line, \$120 or bst. Jen x3-3475.

Kenmore super capacity electric dryer, exc cond, 5 yrs old but only used two, incl drying rack and newly extended service contract, \$350. Call 781-545-7957.

Lark 4635 elec scooter, new, nvr driven, rear wheel drive transaxle, f&r baskets, headlight, tiller top controls, dir signals, horn, perfect for campus and city. Contact <majors@psfc.mit.edu> or x3-5449.

Matching couch & love seat, traditional style, off-white, exc cond, \$350. Peggy x3-4851.

Walnut stereo cabinet 39" w, 21" d, 30" h, \$35. Call Draper x8-3841.

Hummel Nativity set, 17 pc, w/wood manger 24" x 11" x 15". W. Goebel, W. Germany, mint, 30 yrs, \$500. Ron, 781-981-5512, (MIT x181-5512).

Two family entertainment centers, one twin-size bed w/mattress, price negot. Call 776-4224 eves or lv mssg.

Stroller, Century Travelite, semi reclines, canopy, basket, \$35; Gerry changing tbl w/pad, white, 38.5"hx33.5"wx20"d, 2 shlvs, 1 drwr; \$40. Deb x3-3372, 978-779-6860, <debsmall@mit.edu>.

Tires (4) for sale w/car, radial, mounted on 1981 Audi 5000 Turbo alloy rims, <2000 miles, P215/60/R15, car as is, \$200 for tires, \$400 car & tires. L. Williams 781-981-4563, <lwilliams@ll.mit.edu>.

Afghan/bedspread w/toss pillow, handmade crocheted w/green, rust, peach & white yarn, 105" x 105", for double & Q-sz bed, new, exc Christmas gift, \$150 value, sell for \$75. Rosalie 776-3748.

Books, arts & humanities, fine condition, exc as Christmas gifts. E-mail for list, low, low prices. Contact: <rkolb@mit.edu>.

■ ANIMALS

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2 cuddly kittens, 4 and 6 months, seek warm, loving homes, both black, shorthair. Call x3-5265.

■ VEHICLES

1981 Buick Skylark Limited, 87K, white/black vinyl, 6 cyl, 23 mpg, auto, new batt, alt & a/c seal, 1 owner, records avail, \$1000. Call 781-981-2021 or 617-782-3802 or <rendino@mit.edu>.

1984 Chevy Caprice Classic, 100K, white, 2-dr, power everything, automatic transm, V6, runs grt, \$1400. Bjorn DeBear, 225-7448, <debear@mit.edu>.

1984 BMW 528e, orig ownr, all records, extraordinarily well maint, 106K, 4 perfect snows + 4 plus-one perfect summer tires, all on alloys, \$3500. Contact <ccc@space.mit.edu> or 617-484-8172.

1987 Porsche 944, white/black int, mint, LoJack, alarm, phone, sunroof, \$4400. Jeff 666-0898 <lud@mit.edu>.

1987 Buick Century wagon, 2.8l, AM/FM/cass, new tires, well-cared-for car w/no rust, \$1850. Tom, Draper x8-2191 or <tking@draper.com>.

1987 Mazda 626 LX Touring sedan, 5-dr hatchbk, white, 90K, runs v well, 1 owner, \$2500. Call x3-3239 or 617-455-0796 eves.

1988 Nissan Pathfinder SE, 2-dr, blue, auto, pw, pl, 110K, sunrf, a/c, cc, al. whls, very clean, \$6900. Call 781-938-9811 or <allison@ll.mit.edu>.

1989 Toyota Corolla sta wgn, 90K, silver-grey, AM/FM/cass, well maint (records), exc cond, fuel efficient and totally reliable, \$3,200. Call 617-629-7332 eves.

1990 Mitsubishi Mirage 4-dr sedan, a/c, ps, manual, stereo/tape deck, 95K, new front tires, muffler & brakes, no rust, runs beautifully, \$2,000. Call x3-4947 or 267-2310 or <rlaudan@dibinst.mit.edu>.

1990 Chrysler Le Baron convertible, V6 automatic, 86K, driver-side air bag, gray-silver, sec sys, \$2500. Call x3-6658 or <lslerman@mit.edu>.

1990 Olds Touring sedan (98), affordable lux car, 1 yr left on warr, alarm, 3800 V6 loaded, navy ext, dk blue int, leather & wood, moonrf, Bose, 4 new aquatreads, 115K, ask \$6500. Ed 508-770-3616.

1992 Honda Accord LX, 4-dr, 5-sp, a/c, lt green, exc cond, 58K, \$10K. Bart, Linc x2994 (day), 923-1288 (eve).

1994 Jetta Gl, a/c, cc, pwr sunroof, alarm, pl, AM/FM/cass, 4dr, 2 airbags, 5-sp, 45K, well maint, \$10,300. David 648-7213.

■ HOUSING

Belmont: 3-4BR, Jan.-Dec 1998, \$2,900/mo. Call 489-2028, <junekino@medial.mit.edu>.

Brookline: 1st fl, 2BR condo for sale, Longwood Ave nr Cool Cnr, balc, concierge, pool, prkg, walk to Hvd Med Sch. <mmaruto@ibm.net>, <mmaruto@hotmail.com>, 617-734-9797.

Cambridge: 3BR, 2b hse, w/d, new appl, new hw htr, hdwd flrs throughout, sec sys, cable, wired fiber optics, nr MIT, sell for \$329,000 or rent \$2250/mo+. J. Blair, Draper x8-2843 or 617-576-5125.

Naples, FL: lux condo, 3BR, 2b, furn, lanai, htd pool, walk to beach, shops, 30 min to Red Sox sprg training, avail 3/98, \$2500/mo. John, Linc x3541 or 781-862-4809 (h) or <southie@ll.mit.edu>.

Star Wars "baseball card" sets and comics, WWII aviators patch; Sony lrg screen projector. Call 247-0197.

■ WANTED

Visiting prof (family of 4) seeks temp housing for spring term 98, pref furn, 2-3BR & good schools. Contact <datta@ecn.purdue.edu> or x3-6838.

■ MISCELLANEOUS

English instructor will edit, proofread tech and non-tech papers & reports, provide private or semi-private tutoring; extensive experience w/native spkrs & ESL students. Mary Gorsich 354-2302.

The Arts

NOVEMBER ENDS

29 Sat



MITHAS Concert
MITHAS (MIT Heritage of South Asia) presents Ravi Kiran, chitravina with Sriramkumar, violin & Satish Kumar, mridangam. \$15, \$12 MITHAS members & students, \$10 MIT students. Available at the door only. 6pm, Killian Hall (14W-111). 253-7971

4 Thurs

Evening of Dario Fo
Screening of the 1997 Nobel Prize winning playwright's *Johan Padan Discovers Americas* (English subtitles). Followed by discussion with Walter Valeri, Fo's personal assistant for the past 15 years. Refreshments served. 6pm, Rm E51-345. Antonio Bruno, 258-7525 or 876-2860

Sci Fi Reading

Ellen Kushner, author of *Thomas the Rhymer* and Sarah Zettel, author of *Fool's War* read selections & discuss "media & imagination." 7-10pm, Rm 10-250. 253-3599



Museum Opening

Piranesi in Perspective: Designing the Icons of an Age. Examination of Giovanni Battista Piranesi's (1720-1778) career as an etcher, archaeologist and as a promoter of Rome extraordinaire. Opening Reception—Dec 4, 5-7pm. MIT Museum (See right for Museum info.)

4-5 Thurs/Fri

Holiday Craft Fair
Annual sale by Tech Community Crafters (TCC). 9-5pm, Lobby 10. Brenda Blais, 253-9315

4-6 Thurs/Sat

Coriolanus
Theater Arts Section workshop production of Shakespeare's play, directed by Sr Lecturer Michael Ouellette. 8pm, Kresge Little Theater. 253-2877

5 Fri



MIT Concert Band
John Corley, director. 8pm, Kresge Aud.

DECEMBER ARTS

1-3 Mon/Weds

Grand Hotel Auditions
Auditions for Dramashop IAP musical production directed by Asst Prof Thomas DeFrantz. 7:30pm, Dec 1-2—Kresge Rehearsal Rm B; Dec 3—W20-407. Prof DeFrantz, 253-6957 or email defrantz@mit.edu

1-12 Mon/Fri

G&S Staff Interviews
Gilbert & Sullivan Players' interviews for music director for IAP production of *Trial by Jury* and interviews for director, music director & producer for Spring production of *The Pirates of Penzance*. To schedule an interview/info: 253-0190 or email savoyards-request@mit.edu

2 Tues

Architecture Lecture
"Constructing Nature." Marc Treib, Univ of California, Berkeley. 6:30pm, Rm 10-250. 253-7791

6 Sat



Chamber Music Society
Smetana's Piano Trio in G minor, Op. 15. 5:30pm, Killian Hall.

MIT Symphony Orchestra
Prof Emeritus David Epstein, conductor. Milhaud's Concerto for Percussion and Small Orchestra (Carisa Leise '98, percussion); Barber's Violin Concerto (Ja Hyun Shin '99, violin); Robert Schumann's Symphony No. 4 in D minor. \$2 at the door. 8:30pm, Kresge Aud.

6-7 Sat/Sun

Music Scholarship Student Recitals
2pm, Killian Hall.

7 Sun

Brown Univ Orchestra
Paul Phillips, conductor. Anthony Burgess' Symphony No. 3 & Prokofiev's Romeo and Juliet Suite No. 2. 3pm, Kresge Aud.

Chamber Concert
Beethoven, Brahms & Schumann. 6pm, Killian Hall.



MITCAN Concert
Asst Prof James Makubuya, director. MIT's African Performance Ensemble performs traditional music, song & dance from East & South Africa. 8pm, Endicott World Music Ctr (N52-199).

8 Mon

Chamber Music Society
Two concerts: Borodin, Milhaud, Casella—5pm; Beethoven, John Heiss, Dohnanyi—7pm, Killian Hall.

9 Tues

Chamber Series Continues
MIT Chamber Music Society. 5pm, Killian Hall.

10-11 Wed/Thurs

Pottery Sale
Student Art Assn holiday ceramics sale. 9am-4:30pm, Lobby 10. 253-7019

11 Thurs

Martini-In-Transit Poetry
Adjunct prof & award-winning sci fi author Joe Haldeman reads from his first book of poetry, *Saul's Death and Other Poems* (1997). 7:30pm, Bartos Aud (E15). 253-6475

12 Fri



Annual Messiah-Sing
Conductor: Reed Woodhouse (sr lecturer in literature). Pianist: Ellen Polansky. Refreshments served. 4-5:30pm, West Lounge, Stratton Student Ctr. 253-0108

13 Sat

"Entrails Mauvais"
Roadkill Buffet, MIT's improv comedy troupe. 8pm, Rm 6-120. 816-4446 or email rkb@mit.edu

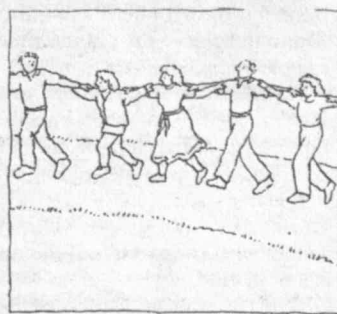
14 Sun

Women's Chorale Concert
Works by Mozart, Bach, Mendelssohn, songs from Jean Berger's *A Child's Book of Beasts*, Czech carols & Hanukkah songs. Children, accompanied by adults, are welcome. Reception follows concert. 3pm, Killian Hall. Jennifer Recklet, 253-1614 or 666-3394

Through 20 Sat

Mamluk Revival in Architecture
Secular & religious buildings from Egypt, Saudi Arabia, India & Bosnia. Rotch Visual Collections Rm 7-304. 253-2955

24-25 Wed/Thurs



All Night Hora
MIT Folk Dance Club's annual Israeli dance marathon. Bring pot-luck dish to serve 6-8. 6pm-6am, Walker Gym. 253-FOLK or fdc-request@mit.edu

Through 28 Sun

List Center Closings
The Art of Detection: Surveillance in Society. Video, photographic & installation work by contemporary artists addressing the role of institutional surveillance in the post Cold War era.

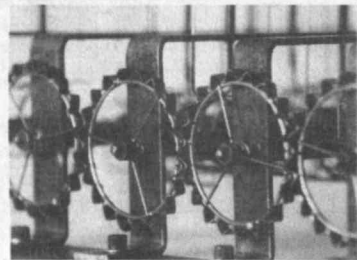
Recovering Lost Fictions: Caravaggio's "Musicians." Contemporary artists Joseph Grigely & Kathleen Gilje explore the ways we authenticate, value and appreciate fine works of art, using the recently recovered Caravaggio painting as a case study.

Hours: Tues-Thurs & Weekends 12-6pm; Fri 12-8pm; closed holidays. Curatorial Office Hours—Meet the curatorial staff for informal discussions & questions about art—Weds, 12:30-1:30pm. 253-4680

All Month

Dean's Gallery
George Herman: Found Paintings. Recent abstract paintings on wood. Through Jan 23. The Dean's Gallery, Sloan School of Management, E52-466. Weekdays 9-5pm. 253-9455

MIT Museum
Unfolding Light: The Evolution of Ten Holographers. Organized by guest curator Rene Paul Barilleaux, this show explores the work of holography's first generation of artists. Through Feb 22.



Ongoing Exhibits:
Gestural Engineering: The Sculpture of Arthur Ganson; Lightforest: The Holographic Rainforest; Holography: Artists and Inventors; The MIT Hall of Hacks; Light Sculptures by Bill Parker; Math in 3D: Geometric Sculptures by Morton G. Bradley, Jr.; MathSpace; Selections from the Hart Nautical Collections.

MIT Museum, 265 Mass Ave. Tues-Fri 10-5, Sat-Sun 12-5. Admission \$3; \$1 students, srs & children 12 & under; free for members of the MIT community w/ID. 253-4444

Hart Nautical Gallery
Ships for Victory: American Shipbuilding's Finest Hour and Permanent Exhibition of Ship Models. 55 Mass Ave. Daily 9-8. 253-5942

Doc Edgerton Strobe Alley
Photographs, instruments & memorabilia documenting Harold Edgerton's invention of the strobe light. Also, several hands-on corridor experiments. Bldg 4, 4th floor corridor. 253-4629

All events are free unless prices are noted. All concerts: 253-9800 unless otherwise noted. MIT Arts Hotline: 253-ARTS
MIT Arts Web: <http://web.mit.edu/arts>
Month-at-a-Glance is produced by the MIT Office of the Arts (253-4003)

MIT provides support for 'Cops in Shops'

■ By Denise Brehm
News Office

MIT pledged support last week for a new Cambridge sting operation designed to prevent people under 21 from buying alcohol.

The "Cops in Shops" program teams local law enforcement officers with alcohol retailers to make on-the-spot arrests of underage people attempting to purchase alcohol. In implementing the program, Cambridge joins scores of cities across the nation that have adopted the approach since 1991.

"Every effort we can make to intercede in stopping illegal alcohol purchase by minors is helpful and sends a strong message that in this city, such activity will not be tolerated," said Campus Police Chief Anne Glavin at the November 20 press conference announcing Cambridge and Watertown's participation.

She presented a check from MIT for \$1,000 to James Tipping, president of the Cambridge Licensee Advisory Board. Harvard University also made a \$1,000 contribution to the program.

Cops in Shops places undercover police officers in stores that sell alcohol. Participating businesses will display signs that read "Warning: Police officers may be posing as store employees." One undercover officer will pose as a store employee while another

will be posted outside to apprehend adults who procure alcohol for minors. But the program places the focus on the minors, who are considered the perpetrators of the crime.

According to Massachusetts law, anyone under age 21 who attempts to purchase alcohol can be arrested, issued a fine of up to \$300 and lose their driver's license for up to 90 days. Adults who purchase, procure or furnish alcohol to minors are subject to a fine of up to \$2,000 and a maximum six-month jail term.

Four underage MIT students were given pretrial probation and a stern lecture last week on charges involving the delivery of alcohol to the Zeta Psi fraternity house on October 10. The presiding judge required the students to perform 50 hours of community service, attend alcohol counseling and pay a \$35 victim/witness fee as part of the pretrial probation. The case will be dismissed if the four are not involved in additional incidents before September.

The Century Council, an organization that fights drunk driving and underage drinking, is promoting Cops in Shops nationally with funding provided by the country's leading distillers. According to the Century Council, 38 states and several Massachusetts communities have adopted the program, including Brighton and Allston.



MIT Campus Police Chief Anne Glavin (center) is flanked by Benjamin Barnes of the Cambridge Licensing Commission (left) and Cambridge Police Commissioner Ronnie Watson at an announcement for the Cops in Shops program.
Photo by Donna Coveney

Alcohol/housing proposals aired

(continued from page 1)
meeting certain requirements.

The proposed interim policies recommend that responsibility for implementing policy on student alcohol use rests with the dean for student life, who will consult with academic deans and department heads. For functions in academic and administrative areas, including labs and centers, a letter will be forthcoming from Vice President for Human Resources Joan Rice outlining the conditions for serving alcohol at events.

The committee, which also included Phillip Walsh, director of the Campus Activities Complex, and Stephen Immermann, director of special projects, made its recommendations after numerous meetings with students, including representatives from the Graduate Student Council, the Undergraduate Association, the Interfraternity Council (IFC) and the Dormitory Council.

The dialogue was "remarkable for its thoughtfulness, intelligence and honesty," Professor Clay said. "As would be expected in a university of this size and diversity, substantial differences exist in the perception and understanding of alcohol policy, its implementation and applicable law." Despite the differing interpretations of current policy, Professor Clay and the committee noted that "the willingness to have a cultural shift regarding alcohol is already observably underway at MIT. It is urgent that the policy be revised and clarified, lest inertia takes hold and the opportunity for change is lost."

The committee called for the interim policies to be in effect during the academic year while further campus-wide review and consultation takes place, with a new policy to be established by April.

FALL 1998

Professor of Ocean Engineering J. Kim Vandiver, chair of the Advisory Group on Orientation and Residence 1998, said the committee believed that housing all freshmen on campus would not be feasible or acceptable for the fall of 1998.

Professor Vandiver, who also serves on the Task Force on Student Life and Learning, said substantial improvements in the R/O system could be accomplished only if students and faculty "accept commonly shared principles and goals." He noted that students now are "highly cynical of attempts by faculty to 'fix' the problem by attacking the present residence selection system."

The group made a number of suggestions to reform the process, starting with dropping the word "Residence" and renaming the process "Orienta-

tion." Many of the ideas were designed to foster better communication and a closer relationship between faculty and students beyond the classroom.

The group also outlined some principles to guide the residence choice process for freshmen, many of which mirrored proposals adopted by the IFC last week. These principles included:

- Primary focus on the best interests of the incoming students.
- Early, objective and accessible residence information.
- Equitable and diverse housing choices for all students.
- Better informed and less stressed students and parents.
- High standards of conduct and responsibility in living groups.
- A better informed faculty and staff, with better connections to the residences.
- More opportunities for students to explore the residence system outside of rush.

In discussing possible changes in introducing first-year students to MIT, the committee proposed the following guiding principles:

- Place more emphasis on orientation.
- Have more participation by the entire community.
- Focus on the development of the "whole person."
- Have orientation reflect the academic reality and intellectual excitement of MIT.
- Increase the interaction between faculty and students.
- View orientation week as only the beginning; focus on follow-through.

"Faculty and administrative staff will carry much of the burden with respect to developing and following through on new initiatives in the orientation of students to MIT," Professor Vandiver said. "However, faculty must also become familiar with the residence system from first-hand experience in order for their attempts to change it to be credible."

Besides Professor Vandiver, the committee consisted of Professors Suzanne Flynn of foreign languages and literatures, Paul Gray of electrical engineering and computer science and Charles Stewart of political science; Associate Dean Andrew Eisenmann and Steven McCluskey of the Office of the Dean of Students; Robert Kaynor of the Planning Office; Holly Sweet of the Experimental Study Group; and four students—Marion Groh, Pamela Mukerji, Ashesh Shah and William Shen, who chaired the committee that drafted the IFC's R/O reform recommendations.

FACULTY MOTION

The six-part substitute "sense of the faculty" motion, which grew out of a brief proposal at the October faculty meeting by Professor Stephan Chorover

that advocated housing all freshmen on campus, was seconded by Professor Bettina Voelker, who said she would have voted against the original proposal.

The motion, adopted on a voice vote, called for reforms in the residence policies and improved relationships between faculty and students. Two changes were adopted in the motion that was printed in MIT Tech Talk last week. The phrase "including a delay of rush for those students who want it" was deleted at the suggestion of Professor Gray, and the clause that called for reports to the faculty on the suggested initiatives to commence in April was amended to include the MIT community. The text of the approved motion can be read on the web at <<http://nimrod.mit.edu/depts/archives/facmin/971119/971119.html>> once the meeting minutes are posted.

The faculty also approved by voice vote a number of editorial changes to the Rules and Regulations of the Faculty.

No benefits deductions this month

The Benefits Office reminds eligible members of the faculty, academic, sponsored research and administrative staff that there will be no deduction for health or dental benefits from the November paycheck.

Members of the support and service staff have not had health and dental deductions since the November 7 payday, and this will continue through the November 28 payday. (For members of collective bargaining units, this change is subject to the collective bargaining process and the terms of each collective bargaining agreement.)

In an effort to simplify communication and administration of health and dental benefits, the Benefits Office is changing the timing of health and dental plan payroll deductions. In the past, health and dental plan coverage were paid one month in advance. Effective in November, employees will begin paying for this coverage on a current basis. As a result, there is no premium deduction in November because employees paid for November coverage during October.

Deductions for health and dental benefits will resume in December. Anyone with questions about the change may contact the Benefits Office at <benefits-www@mit.edu> or call x3-0500 on campus or x7055 at Lincoln Laboratory.

Giving Tree seeks kids' gifts

The Giving Tree, an annual program sponsored by the MIT Panhellenic Association and the Public Service Center, will collect gifts to be donated to children in Boston and Cambridge in time for the holidays.

Departments, offices, dorms, clubs and living groups as well as individuals who want to participate will be told the name, sex and age of the children they're helping. They then purchase gifts costing approximately \$10, wrap them and drop them off from December 1-3 and December 5 in Rm 311 in the Stratton Student Center, and in

Lobby 10 on December 8 and 9.

Agencies that will distribute the gifts include the Teddy Bear Foundation for Foster Children, Children's Day Care, Bridge Over Troubled Waters, United Homes, the Thorndike Street School and the Elizabeth Peabody House. Last year the program collected 1,200 presents; this year organizers are hoping for 1,400. They are also collecting money but prefer wrapped gifts.

For more information, contact Jen Kelly, Panhellenic Community Service chair, in the Public Service Center at x3-0742 or <jakelly@mit.edu>.

Friends, family attend service at MIT for Michele Micheletti

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as well as her family," said President Vest.

"Mr. and Mrs. Micheletti, we hope that this gathering today will bring comfort to you, just as the services in California, and your welcoming of our students there, brought so much comfort to them," he said to Shirley and Elmer Micheletti, who attended the service along with their son Michael and Ms. Micheletti's aunt and uncle, Mary and John Micheletti.

Professor Essigmann and Mr. Parravano of the Government and Community Relations Office, along with 31 MIT students, traveled to Millbrae, CA, earlier this month for the funeral. At the service in St. Dunstan's Church, "we were amazed to see how many awards she had won. She won every honor available in her community," said Professor Essigmann.

Sunday's presentations paid tribute to Ms. Micheletti's ubiquitous smile, abundant optimism and lifetime of academic honors and community service, as well as to her practicality.

"Her résumé lists more than three pages of accomplishments. But the last thing on it... tells us that she had a paper route for four years. And you can tell from the conspicuous way she presents this information she was very proud to have been the holder of Route 09-523-14 for the San Mateo Times. This statement shows how down to earth Michele was," said

Professor Essigmann, a MacVicar Fellow and professor of chemistry and toxicology.

Relating some of his feelings from the evening of her death, Professor Essigmann described entering her room with his passkey and seeing on her computer screen the Eudora message saying she had new e-mail.

"There they were, all lined up, messages from friends—little blue dot after little blue dot. I am a mere Course 5, not a lofty Course 6; I didn't know how to forward them up to where I know she was at that time. So I just logged out, for the last time. I think it is the MIT nerd's definition of faith to believe she got their messages anyway," he said.

The memorial service ended with a video montage of still photos and film clips of Ms. Micheletti from childhood. The images of the smiling little girl standing with a group of little friends in pajamas or riding a bicycle with training wheels underscored the brief span of her life.

The Metropolitan District Commission painted a crosswalk at the intersection of Memorial Drive and Endicott Street after Ms. Micheletti's death. She was struck by two cars while trying to cross from the center island to the river, on her way to dinner with friends on Halloween night. She died that same evening. MIT officials and students had been advocating a crosswalk at that location for several years prior to the accident.